1. **(Canceled)** .

2. **(Currently Amended)** Intramedullary nail, according to claim ~~1,~~ ~~characterised in that a support (6) works with a head(1) of the nail,~~ 4, said support being the only element of ~~the assembly~~ said functional combination that is fixed ~~by screws~~ to the bone prior to actuation of said nail, ~~specifically at the proximal end thereof, this support (6),~~ ~~this~~ said support ~~(6)~~ having a stepped axial hole ~~(8)~~ for attachment of ~~the~~ said nailhead ~~(1)~~ and a ~~radial~~ fin oriented radial to the longitudinal axis of said tubular nail ~~(9)~~ with a pair of screw holes ~~(10)~~ for screwing the support to the bone.

3. **(Currently Amended)** In combination with an intramdedullary ~~Intramedullary~~ nail, according to claim 2, a template with guideways for drilling into the proximal end of the bone prior to actuation of said intramedullary nail, characterised in that inside the axial hole ~~(8)~~ in the support ~~(6), specifically~~ at the outer end thereof, there is a threaded section ~~(12)~~ for the attachment of ~~a~~ said template for drilling into the bone, ~~which is~~ when said guideways are situated in line with ~~the~~ said screw holes ~~(10) of the support (6) and for the subsequent implantation of a collar (13) that can move the threaded rod (4) that constitutes the probe in order to displace the protrusion (5) thereon towards the head (1) of the nail~~.

4 **(Currently Amended)** Intramedullary nail, which is specially designed to secure and immobilise fractures in a long bone ~~[s]~~ such as the femur, said long bone having a proximal end, a distal end and an inner wall defining a medullary cavity between the proximal and distal ends, comprising ~~characterised in that it consists of~~ the functional combination of a support, a tubular nail and a probe at least coextensive in length with the nail and movable axially inside the nail, said tubular nail and probe having a length no greater than the distance between the proximal and distal ends of the long bone, said support adapted to engage the proximal end of said long bone and anchor said tubular nail against rotation, said ~~probe~~ tubular nail including a nailhead, a plurality of thin rods of a considerable length extending from said head and having an intermediate node, said rods being grouped according to an imaginary cylindrical surface and converging towards the node independent at their free ends, said probe including a protrusion close to its distal end,

which is adapted to initially extend beyond the tubular nail and upon withdrawal to within the tubular nail, causes the radial deformation of the terminal section of the rods during the axial withdrawal of the probe through the nail and then causes the node to move towards the nailhead which in turn causes a radial expansion of the tubular nail in the proximal area of the rods between ~~the~~ said nailhead and said node, said expansion affixing said tubular nail to said inner wall .

5. **(New)** Intramedullary nail, according to claim 4, wherein said probe has a threaded rod extending through and beyond said nailhead and said support, said intramedullary nail including a collar threaded into said rod and operable during actuation of said intramedullary nail to be rotated to displace said rod and said probe in order to displace the protrusion thereon towards said nailhead.